



shakesbyTM
water treatment for private supplies

Reliable and effective water treatment for domestic and light industrial supplies

The Shakesby® range provides water treatment solutions for any private supply from a single domestic dwelling to a small industrial site. Larger commercial applications are covered by our custom-assembled industrial systems.

Four iron-removal ranges provide solutions for virtually any requirement, with selection based on the water provision system and the flow rate required. Other products are used to remove additional concentrations of manganese and to correct the pH of 'aggressive water' which can take up metals from pipework. Your Shakesby distributor will be able to advise on precise requirements.

Shakesby's well-proven water treatment systems offer distinct advantages:


High performance – up to 99.9% of iron removed

High efficiency – all systems are tailored to your precise requirement

Low operating costs - no salt, low water usage in backwash and minimal servicing

Environmentally friendly – no chemicals and no elevation of sodium levels

Iron removal is effected by our own filter media - SIRM® (Shakesby Iron Removal Medium) – which removes virtually all the iron without increasing manganese levels: indeed manganese levels are often also reduced. The result is water substantially better than the permitted national value.



EB Range – Small domestic usage



These are for low volume requirements such as a single household with a supply containing less than 5000µg/L of iron. They are fitted into a pressurised untreated supply line. Routine servicing is simple and can be carried out by the user.

System:	Treats the required water from a pressurised supply.
Iron level:	Up to 5000ug/l (5mg/l) depending on site conditions.
Filter Media:	SIRM
Backwash Frequency:	2-7 days (dependent on site conditions).

Model	EB1354	EB1665	EB1865
Max. Rec. Flow rate	1.3	2.0	2.5
Backwash flow rate	1.135	1.589	2.7
Dimensions - H x W (in)	65"x15"	76"x16"	79"x18"
Dimensions - H x W (m)	1.65 x 0.46	1.93 x 0.48	2.01 x 0.46

All flow rates are approximate and in m³/hr.
Supply pressure min.2 bar max. 4bar.

ET Range – For domestic and industrial usage



This range suits all sizes of domestic properties and small industrial sites, treating all the water from a borehole pump. They continually aerate the water in service and use air and water to backwash. This means they can cope with higher iron and hydrogen sulphide (rotten egg smell) levels, higher flow rates and use about half the service flow rate to backwash. As fully integrated filters they contain all the aerating and venting components.

System:	Treats all water from source pump to storage or point of use.
Iron level:	Up to 30000ug/l (30mg/l) depending on site conditions.
Filter Media:	SIRM
Backwash Frequency:	2-7 days (dependent on site conditions).

Model	ET1354	ET1665	ET1865
Max. Rec. Flow rate	1.3	2.0	2.5
Backwash flow rate	0.6	0.8	1.1
Dimensions - H x W (ft)	65"x18"	76"x18"	79"x19"
Dimensions - H x W (m)	1.65 x 0.46	1.93 x 0.48	2.01 x 0.48

All flow rates are approximate and in m³/hr @ 3 bar

ED Range – For open ended systems



The ED has additional controls required for open-ended systems, where pumping to a reservoir is controlled by float switches. This range suits all sizes of domestic properties and small industrial sites, treating all the water from a borehole pump. They continually aerate the water in service and use air and water to backwash. This means they can cope with higher iron and hydrogen sulphide (rotten egg smell) levels, higher flow rates and use about half the service flow rate to backwash. As fully integrated filters they contain all the aerating and venting components.

System:	Treats all water from source pump to open ended delivery (Float switch).
Iron level:	Up to 30000ug/l (30mg/l) depending on site conditions.
Filter Media:	SIRM
Backwash Frequency:	2-7 days (dependent on site conditions).

Model	ED1354	ED1665	ED1865
Max. Rec. Flow rate	1.3	2.0	2.5
Backwash flow rate	0.6	0.8	1.1
Dimensions - H x W (in)	65"x18"	76"x18"	79"x19"
Dimensions - H x W (m)	1.65 x 0.46	1.93 x 0.48	2.01 x 0.48

All flow rates are approximate and in m³/hr @ 3 bar

SVET/D Range – Where untreated supply is also required



The SVET/D are designed to operate with pressurised untreated supplies where untreated water is used in addition to the filtered supply. This range suits all sizes of domestic properties and small industrial sites, treating all the water from a borehole pump. They continually aerate the water in service and use air and water to backwash. This means they can cope with higher iron and hydrogen sulphide (rotten egg smell) levels, higher flow rates and use about half the service flow rate to backwash. As fully integrated filters they contain all the aerating and venting components.

System:	Treats water from pressurised supply, maintaining an untreated supply.
Iron level:	Up to 30000ug/l (30mg/l) depending on site conditions.
Filter Media:	SIRM
Backwash Frequency:	2-7 days (dependent on site conditions).

Model	SVET/D1354	SVET/D1665	SVET/D1865
Max. Rec. Flow rate	1.3	2.0	2.5
Backwash flow rate	0.6	0.8	1.1
Dimensions - H x W (in)	65"x18"	76"x21"	79"x21"
Dimensions - H x W (m)	1.65 x 0.46	1.93 x 0.53	2.01 x 0.53

All flow rates are approximate and in m³/hr @ 3 bar

MG – Manganese Removal

On most sites, Shakesby iron removal systems will also reduce Manganese levels to well below permitted levels. Where tests indicate that this may not be achieved, the MG range of additional filters may be recommended.

These units are regenerating filters that primarily remove the Manganese. They do not exchange for other metals, such as Sodium, or add anything to the water.

System: In conjunction with Shakesby Iron Removal Filters or 'stand alone'.

Manganese level: So far limitless, we haven't been beaten yet!

Filter Media: Manganese dioxide based.

Regeneration Frequency: up to 14 days or volume controlled (dependent on site conditions).

Max. Flow rate: Function of site conditions.

Model	MG1054	MG1354	MG1665	MG1865
Backwash flow rate	1.135	2.16	3.96	3.96
Dimensions - H x W (in)	65"x15"	65"x15"	76"x16"	79"x18"
Dimensions - H x W (m)	1.65 x 0.46	1.65 x 0.46	1.93 x 0.48	2.01 x 0.46

All flow rates are approximate and in m³/hr.
Supply pressure min. 2 bar max. 8 bar.

PHUP® – 'Aggressive waters'



Some waters can attack metals, especially Copper and Lead. This results in elevated levels of these metals in the water and failure of pipework and hot water cylinders. **PHUP** units are used to correct the aggressive nature of the water and thus eliminating the problem.

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Shakesby, SIRM and PHUP are registered trademarks.

For further information and advice on product selection, please contact your Shakesby distributor or:

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